

THE TECH

VOL. XXX. NO. 72

BOSTON, MASS., FRIDAY, JANUARY 6, 1911

PRICE TWO CENTS

BIG INDOOR MEET THIS EVENING

Close Finishes Are Expected in Majority of Running Events.

SENIORS ARE FAVORITES.

With a Number of Individual Stars, 1911 Appears an Easy First.

A close meet, with hair-raising finishes, is the expected program for the annual Interclass Meet at the Gym tonight. Most of the stars of last year's track team will compete, and there are also some Freshmen of excellent ability who expect to make the older men hustle. Last year the meet went to 1911, with 1912 and 1913 finishing third and fourth respectively. This year the meet is again conceded to the Seniors. The dopester allows them six first places out of the eight events; 1912 and 1913 will probably run a close race for second place, with the Freshmen finishing last.

The 30-yard dash has a large number of entries and will be closely contested. Capt. W. C. Salisbury, 1911, will probably take first place, with Guething, 1914, coming in second. These men will be closely pushed by R. C. Thompson, 1913, and B. S. Munch, 1913, who are the star Sophomore sprinters.

The 35-yard hurdles will go to W. J. Pead, Jr., 1911, who was the crack hurdler of last year's track team. J. S. Grant, 1912, is conceded second place. The other two places are doubtful, but Chase, 1914, will probably fit in one of them.

The 440-yard will probably furnish the most exciting finish of the meet as there are several star runners entered. Capt. Salisbury is the favorite for first, but will be pushed closely by T. H. Guething, 1914, the Freshman track captain. R. C. Thompson, 1913, will take third, with B. S. Munch, 1913, finishing fourth.

There are a number of stars entered in the half mile, and it is difficult to pick a winner, but L. O. Mills, 1911, seems to be the logical choice for first, with P. D. White, 1911, and E. T. Marceau, 1912, tied for second honors. R. D. Sampson, 1913, is the choice for the other place.

Mills is expected to take first in the mile run also, but will be closely pushed in this event by E. E. Ferry, 1912; R. D. Van Aistine, 1912, and R. M. Ferry, 1912, who will probably finish in the order named.

First place in the shot-put is expected to go to N. D. MacLeod, 1913, who has been heaving the weights in great style in practice. O. V. Chamberlain, 1911, holder of the Technology discus record, will take second place. The last two are conceded to L. G. Metcalf, 1911, and J. L. Bray, 1912.

P. W. Dalrymple, 1912, is easily the best man in the high jump, being several inches ahead of his nearest competitor. L. S. Hall, 1914, is the man who will probably fit in second, but he will have to hustle to beat H. B. Alvord, 1912, and C. G. Fallon, 1913, who both took places in meets last year.

The pole vault is conceded to W. D. Allen, 1911, the holder of the present record, and he will undoubtedly repeat his past performances. E. Mangan, 1912, is the man for second place, but the others are very doubtful as no other last year men have been practicing indoors.

The officials for the meet are as follows:

Referee—Dean Burton.

Judges—Dr. J. A. Rockwell, Maj. F. H. Briggs, I. W. Wilson, 1911; K. D. Fernstrom.

Starter—H. S. Benson, 1912.

Clerk—M. L. Waterman, 1913.

REINFORCED CONCRETE BRIDGES DESCRIBED

Mr. W. M. Denman Speaks to Civil Engineering Society at Meeting Yesterday.

MANY SLIDES SHOWN.

Interesting Description of the Jacking Up of Old Steel Bridge.

Yesterday afternoon Mr. W. M. Denman, the well known expert on concrete bridge construction, gave an illustrated talk on "Reinforced Concrete Bridges" before the members of the Civil Engineering Society. After the minutes of the last meeting had been read, Mr. Denman was introduced by Prof. Moore. He showed a large number of pictures of reinforced concrete bridges with which he had been connected either as contractor or engineer and explained the interesting features of each. He showed several slides and gave a very complete description of the process of jacking up an old steel bridge and building a new concrete one beneath while traffic continued uninterrupted above the work, the steel bridge being torn down and removed on the completion of the concrete. Another interesting group of slides were those of a concrete bridge constructed to take the place of a wooden railroad trestle, the piles being enclosed in boxes, the concrete being poured around them, and the piles removed and holes plugged on the completion of the concrete arches. A number of slides were shown illustrating the resistance offered to floods by concrete arches. In one case at Monterey, Mexico, the flood had washed over the bridge, the debris damaging a building upon it, but not injuring the concrete bridge in the least.

In another case a bridge in Indianapolis, the water rose to within a few inches of the top of the arches, but did not injure the bridge.

Mr. Denman showed several pictures of reinforced concrete bridges having eight, ten and twelve arches. In one four-arch bridge at Waterville, Maine, built for the Boston & Maine, the first third and fourth spans were about one hundred and thirty-five feet in length, while the second was but eighty-five. This unusual arrangement was on account of the railroad's wish to protect its piers by placing them immediately behind those of an old steel bridge, whose spans were similar to those of the new concrete one. To withstand the thrusts of the longer arches on either side, the shorter second span was made very much heavier and thicker than the others.

This was the last meeting of the Civil Engineering Society for this term.

ALUMNI NOTES.

Dr. A. A. Noyes of the Department of Theoretical Chemistry will address a meeting of the Chicago Alumni Association of M. I. T. on Saturday, January 7. This association is in a most flourishing condition. F. K. Copeland, 1876, is president, and M. J. Strum, 1896, is secretary.

At a recent meeting of Tech alumni at Pittsburgh in the University Club, the guests decided to pay a visit to the meetings of the Purdue and Cornell alumni which were being held in the same building. This caused much enthusiasm and there was a general interchange of cheers and toasts.

The University of Michigan is the most cosmopolitan of the State Universities, about 47 per cent. of its students residing outside the State of Michigan.

FOREIGN STEAMSHIP MEN ARE DEFIANT

They Welcome Action of United States Government Under Sherman Law.

STATEMENT FROM HAMBURG.

Many American Lawyers Believe Extension of Sherman Law Impossible.

A short time ago the United States government instituted a suit to close American ports to the vessels of the thirteen defendant transatlantic steamship companies comprising the Atlantic conference so long as they continued an alleged agreement to apportion all traffic pro rata and destroy the competition of other carriers engaged in the steerage passenger trade between here and Europe.

A statement now comes from Hamburg, Germany, saying that the Hamburg-American line welcomes the suit with confidence that the Sherman act under which the action is brought will be declared inapplicable to foreign companies.

"The foreign companies themselves," reads the statement, "desired a legal action for the purpose of testing whether the American anti-trust law affects their position. They are convinced that the suit will serve only to clear up the situation and prove that the law is inapplicable and thus put an end to the agitation of competing companies who are the sole instigators of the movement against the foreign companies."

The statement concludes: "Leading American lawyers are of the opinion that such an extension of the Sherman law to foreign companies is impossible. Otherwise the American anti-trust law could be applied to all foreign manufacturers who export to the United States and who are members of any syndicate."

"A TRIP TO EGYPT" AT UNION TONIGHT

Rev. A. W. Archibald of Newton Center Will Speak at Entertainment.

At the Union tonight at eight o'clock Rev. A. W. Archibald will give a talk on "A Trip to Egypt." This talk will include a description of the archaeological investigations and discoveries that have been made in that interesting land as well as an account of what the country is like at the present day. Dr. Archibald has travelled extensively through Egypt and the Holy Land, and has gathered information that assures a pleasant and instructive hour's talk.

This lecture will also be interesting because it is directly in line with other talks that have been given at the Institute during the term. It is entirely fitting that a school with such a cosmopolitan register of students should see that all its students get more than an ordinary knowledge of the countries of the world.

PRODUCTION ABLE TO SUPPLY DEMAND

U. S. Agricultural Department Reports Plenty to Eat For All.

Victor F. Olmstead of the Department of Agriculture in his annual report states that the increase in production is greater than the increase in population, contrary to the belief that the agriculture of this country is decadent. The conclusion of the report says: "The ability of the soil and

(Continued on Page 3.)

HOCKEY TEAM STARTS WESTERN TRIP TODAY

Games With Loudon Country Club and Rensselaer Polytech at Albany.

NEW DEFENSE ADOPTED.

Bakewell Unable to Accompany Team — Nine Men Taken On Trip.

The Institute Hockey Team leaves this noon from the Trinity Place Station for their trip to Albany. Tonight they will play the strong Loudon Country Club team on the Albany rink, and tomorrow afternoon the Rensselaer Polytech team on the same rink. The Loudon Club always turns out a fast team, and this year's aggregation is no exception. Their team is composed of old college stars who have made a fine record this season, and will undoubtedly give the Institute men a hard fight. Captain Gould, however, is confident of pulling out a victory.

The game with Rensselaer is represented by a speedy seven this season. The game will bring to the surface all the hockey that the team knows and will give the new defense a thorough tryout. If the men play with the vim that they did against Dartmouth, however, they will be invincible.

The defense proposition is one that the team, and more especially the captain, have been trying to solve all through the first part of the season. They have at last adopted the defense used by the Boston Hockey Club, with the point and cover-point playing on opposite sides of the rink and about half way between the center and the goal. Captain Gould and Vose are playing these positions at present and work together to form a very strong defense.

Goal tender Bakewell will be unable to accompany the team, but there is a good substitute in Lange to watch the net. All the players are in first-class condition and will put up a strong fight from the first whistle to the last.

The following men will report at the Cage ready for the trip at 10.30 sharp this morning: Captain Gould, Sloane, Storke, Scoville, Ranney, Hurlburt, Vose, Stucklen and Lange.

CALENDAR.

Friday.

- 10.30—Hockey Team Meets for Western Trip—Cage.
4.15—Gym Team Practice—Gym.
4.30—Swimming Practice—Cabot St Tank.
5.00—Basketball Practice—Gym.
5.00—1914 Basketball—Gym.
8.00—Interclass Meet—Gym.
8.00—Friday Evening Entertainment—Union.

Saturday.

- 2.15—1914 Indoor Track Team—Gym.
2.30—Varsity Track Team—Gym.
5.00—Tech Second vs. Brookline Hockey Club—Arena, Practice Game.
5.30—Hockey Practice—Arena
1914 vs. Reading High Alumni Basketball—Reading.

Monday.

- 5.00—Basketball Practice—Gym.
5.00—1914 Basketball—Gym.

Tuesday.

- 1.00—Tech Board Meeting (with lunch)—Union.
1.30—Union Committee Meeting—Dean's Office.
4.00—Glee Club Practice—Union.
4.15—Gym Team Practice—Gym.
4.15—Varsity Indoor Track Team—Gym.
4.15—1914 Indoor Track Team—Gym.

INTERCLASS MEET AT GYM--7.30 P. M.

THE TECH

Published daily, except Sunday, during the college year by students at the Massachusetts Institute of Technology.

Entered as second-class matter, Sept. 29, 1910, at the post office at Boston, Mass., under the Act of Congress of March 3, 1879.

S. E. Bates, 1911.....General Mgr.
News Board.

G. M. Keith 1912.....Editor-in-Chief
E. W. Tarr, 1912.....Managing Editor
A. L. Myers, 1911.....Institute Editor
P. L. Flansburg, 1912. Societies Editor
R. S. Rankin, 1913.....Athletic Editor
T. E. Senior 1913.....Gen'l News Editor

Business Board.

M. W. Hall, 1912.....Business Manager
J. B. Nealey, 1912.....Advertising Mgr.
A. T. Gibson, 1913.....Circulation Mgr.

Associate Editors.

M. W. Taft, 1913.....Societies

News Staff.

K. C. McKenney, 1912.

A. J. Pastene, 1913.

C. F. Cairns, 1913.

W. Katzenberger, 1913.

M. Paris, 1914.

Business Staff.

K. S. Johnson, 1914.

J. C. Morse, 1914.

D. E. Van Volkenburgh, 1914.

Art Staff.

W. S. Crost, 1912.

H. B. Horner, 1913.

E. C. Taylor, 1914.

Office, 42 Trinity Place.
Telephone, Back Bay 2184.

All communications should be addressed to the proper departments.

Subscriptions \$2.00 per year in advance. Single copies 2 cents.

Subscriptions within the Boston Postal District and outside of the United States must be accompanied by postage at the rate of one cent a copy.

Printed by Croke Printing Co.

FRIDAY, JANUARY 6, 1911.

Many of the professional societies are to be commended for their work this term and none more so than the Civil Engineering Society. A striking example of the active place that this society takes among the members of Course I and XI was demonstrated at its meeting yesterday afternoon. An able speaker, fully competent to address the society on a subject of vital interest, had been secured, and the members of the society responded with an audience estimated at one hundred and fifty. These men gave the speaker their whole attention and none of them left before the adjournment of the meeting, a happening which has been altogether too frequent at many gatherings of Institute men this past term. Moreover, the program of the society has been uniformly good this Fall. The act of the society which was perhaps most widespread in its influence was the combined societies dinner which it conceived and conducted. A new year of usefulness to the Civil Engineering Society!

We hear that the use of paper towels is to be resumed in the Union wash room. This seems advisable in spite of certain obvious disadvantages of the Japanese invention. The cloth towels have not proved entirely sanitary and, in an institution standing for the encouragement and promotion of universal sanitary conditions, the overused towel has no place. Like charity, the practice of our teaching begins at home. When the paper towels were in use before, the wash room soon became littered with the used towels. There is a basket provided as a receptacle for these and everyone using the wash room should carry out the idea of neatness and cleanliness and throw the used towels into the baskets provided.

IN THE LIMELIGHT OR UNDER THE SAFFRON GLARE.

Who said that the Seconds couldn't play basketball? Pretty classy game they played Wednesday night, from all reports. Mowry would make a Varsity man if he could only take on a little weight.

Welcome to the big crowds at the Gym tonight, say the track managers. The fellows backed the basketball management at the Boston College game. WHY not do the same for your own class as you do for the Institute teams?

Who said the track team wasn't going to be strong this year?

Good luck, Hockey Team. Get to them the way that you did to Dartmouth and you may well wear a smile.

Wish that we were going to be in Hanover tomorrow night. Some large time in that new Gym? But we are picking Captain Parker's boys to win by some eight points.

Are you the man who got those theatre tickets this week, or did you decide that somebody else was better fitted to write these bits of hot air? Nice shows in town now, you know.

At last we have hopes of a real live Show this year. Looked rather black for a time, didn't it? Now for these "dear" Freshman chorus girls and their pretty smiles.

Calendar comes to the front again with their usual amiability in allowing all kinds of conflicts. Was the vacation too long for you, or just the same old excuse?

Technique Board is surely working hard, but the third year men should all remember that they are a part of the Board, "ex-officio," and that the success of the book lies in a large way with them. So help all you can, TWELVE. It's your book, you know!

DON'T FORGET THAT TRACK MEET TONIGHT.

Have you signed up for the Junior Prom. yet? They are after you.

COLLEGE NEWS.

All those failing in examinations at the University of Colorado must wear a small blue cap with green buttons.

Brown has just dedicated her new John Hay Library, a fine addition to the campus.

The Senior Class at the University of Illinois has initiated a movement for the abolition of final examinations in the second semester of Senior year.

Of the 490 members of Congress 297 are college men. One hundred universities and colleges are represented.

The German Universities this year enroll 52,456 students.

The women at Syracuse are to hold a track meet.

Theoretical and practical work in aviation is to be carried on by an Aeronautical Society organized by students of the University of Michigan. The society is to be entirely a student club, and has at least 100 members enrolled from all departments.

Lots of people never worry about style, just buy

FOWNES GLOVES

and hit it right.

C. F. HOVEY & CO

Summer, Chauncy and Avon Streets

MID-WINTER SALE

Reduction in Men's Shirts

NEGLIGEE SHIRTS

Men's Fancy Negligee Shirts, of our own manufacture.

Reduced from \$1.50 to \$1.15
" " \$2.00 to \$1.35

CUSTOM SHIRTS

Our regular fancy shirts, made to measure from D. & J. Anderson cheviot and madras, with neckband, one pair of cuffs, attached or separate, in $\frac{1}{2}$ doz. lots.

Reduced from \$3.50 to \$2.75

NIGHT SHIRTS

Men's white cotton night shirts, with collar, cut full and long, our own make.

Reduced from \$1.00 to 75c.

Our 4.50 Custom Shirts in $\frac{1}{2}$ dozen lots
For \$3.00 each

EIMER & AMEND

HEADQUARTERS
FOR
CHEMICALS, CHEMICAL APPARATUS,
MINERALS, ETC.

WE CARRY THE LARGEST STOCK OF
LABORATORY SUPPLIES IN THE U. S.

First Quality Supplies Only. Prompt Service

Our European connections are such that we are enabled to offer you the best services for duty free importations on scientific supplies at the lowest prices.

Analytical Balances and Weights
ONE OF OUR LEADING SPECIALTIES

EST'D - 1851
203-211-THIRD-AVE
NEW-YORK-CITY

MORSE & HENDERSON

MERCHANT TAILORS 18 BOYLSTON STREET BOSTON, MASS.

TELEPHONE 99 OXFORD

ROOMS 1st AND 15

Suits \$35 and Upwards Overcoats \$35 and Upwards

For Thirty Days from date any Suit in our Shop for

\$35.00 Former Price \$40, \$45, \$48

THE NEW AMERICAN HOUSE BOSTON

A homelike, first-class hotel, proud of New England traditions, dating from Gen. Warren, yet newlyfurnished with every comfort & convenience

Visit THE RAINFOREST

Long distance phone and hot and cold water in every room. Kept constantly clean by our vacuum plant. Rooms \$1.00 a day and up.

HIGGINS'

Drawing-Inks
Eternal Writing-Ink
Engraving-Ink
Taurine Mucilage
Photo-Mounter
Drawing-Board Paste
Liquid Paste
Office Paste
Vegetable Glue, Etc.

Are the Finest and Best Inks and Adhesives. Emancipate yourself from the use of corrosive and ill-smelling inks and adhesives and adopt the Higgins Inks and Adhesives. They will bear revelation to you, they are so sweet, clean, and well put up.

At Dealers Generally.
CHAS. M. HIGGINS & CO., Mfrs.
Branches: Chicago, London
25 Ninth Street, Brooklyn, N.Y.

**ANNUAL PLANT TEST
TO CONCLUDE TODAY**

**Work Done By Students and
Computations Made From
Data Collected.**

Much interest is being shown by the Seniors in Courses II, VI, X, and XIII in the annual plant test of the Institute, which they are now carrying on. In the work, all the feed water, coal, ashes, and condensed steam are carefully weighed; and the temperature of the flue gas, feed water, and condenser water is registered by students assigned to the task. While this data is being obtained, other students take indicator cards from the engines and planimeter them in order to obtain the M. E. P. The output of the generators is calculated from a series of voltmeter and ammeter readings taken every five minutes throughout the test.

The test began Tuesday morning at 8 o'clock, and will end this afternoon at 4. After this the combined data will then be given to each man, and the efficiency of the generator, quality of the coal, etc., will be calculated.

This work gives the men an idea of how similar tests are made in modern plants, and also imparts a certain confidence which will be of immense value to the men in the future.

Steps are being taken by the Faculty at Columbia to organize a student forum for the expression of undergraduate sentiment.

(Continued from Page 1.)
the agricultural arts and sciences to produce crops at the rate of increase greater than either the normal rate of increase of population, or the normal as temporarily influenced by immigration has been demonstrated times innumerable by the Department of Agriculture, by the experiment stations, and by the intelligent farmers all over the country."

FIRST YEAR.**Conferences in Regard to Choice of Course.****Course III.**

Professor Richards will meet students on Thursday, January 12th, between 1 and 2, in Room 1, Rogers.

Course IV.

Professor Chandler will meet students on Wednesday, January 11th, between 1 and 2, in Room 42 Pierce.

Course VII.

Professor Sedgwick will meet students on Monday, January 9th, from 11 to 12; Tuesday, January 10th, from 10 to 11; and Thursday and Friday, January 12th and 13th, from 12 to 1, in Room 27 Pierce.

Course VIII.

Professor Cross will meet students on Monday, January 9th; Wednesday, January 11th, and Friday, January 13th, at 1.15, or by appointment, in Room 11 Walker.

Course XIV.

Professor Goodwin will meet students on Tuesday and Thursday, January 10th and 12th, from 1 to 2, in Room 2 Walker.

A. E. BURTON, Dean.
January 3, 1911.

It won't leak

**MOORE'S
NON-LEAKABLE
Fountain Pen**

\$2.50 And Up

A fountain pen that won't ink your fingers, one that can be carried in any position, upside down or on its side in any pocket or bag. When the cap is screwed on, the pen is as tight as a bottle. When not in use the pen rests in ink, so remains moist, and will write without need of shaking. Made in many styles. Prices \$2.50 to \$15.00.

On its own merits this pen is fast finding its way all over the world. There probably is a dealer in your town who now carries it and you can buy of him; but if there isn't, if you will send us the name of your most reliable dealer, we will see that he has an assortment of these pens for you to select from.

Be careful to give us his name and address and your name and address correctly. State also whether you like a fine, medium or coarse pen; otherwise, we shall send an assortment that you can purchase from at \$2.50.

Something new:
Moore's Midget non-leakable 3½ inches long. The smallest fountain pen made, just the thing for ladies' shopping bag or for men's lower vest pocket. Price \$2.50.

ADAMS, CUSHING & FOSTER 168 Devonshire St., Boston, Mass.
Selling Agents for AMERICAN FOUNTAIN PEN COMPANY

HOTEL CUMBERLAND

Broadway at 54th Street, New York.
Near 50th St. Subway Station and 53d Street Elevated

KEPT BY A COLLEGE MAN



Headquarters for College Men
Special Terms for College Men
New and Fireproof
Rates Reasonable. \$2.50 with bath and up. Send for booklet.
HARRY P. STIMSON
Formerly with Hotel Imperial

Headquarters for College Men
Special Terms for College Men

FATIMA

TURKISH
BLEND
CIGARETTES



LAW

Judge Fatimas on merit
and they'll acquit themselves well.

The college man's verdict is: "Distinctively individual." Therefore Fatimas are the favorite of students.

If you will try Fatima you will continue to buy them. Inexpensively packed and you get ten additional. 20 for 15 cents.

THE AMERICAN TOBACCO CO.

McMORROW

College Shoes for College Men

238 Washington Street, Boston, Mass.

OPPOSITE YOUNG'S HOTEL

STONE & WEBSTER

CHARLES A. STONE, '88
RUSSELL ROBB, '88

ELIOT WADSWORTH,

EDWIN S. WEBSTER, '88
HENRY G. BRADLEE, '91

Securities of Public Service Corporations
Under the Management of our Organization
**STONE & WEBSTER
MANAGEMENT ASSOCIATION**
GENERAL MANAGERS OF PUBLIC SERVICE CORPORATIONS

**STONE & WEBSTER
ENGINEERING CORPORATION**
CONSTRUCTING ENGINEERS

PATENTS

Prize Offers from Leading Manufacturers

Book on patents. "Hints to inventors." "Inventions needed." "Why some inventors fail." Send rough sketch or model for search of Patent Office records. Our Mr. Greeley was formerly Acting Commissioner of Patents, and as such had full charge of the U. S. Patent Office.

GREELEY & MCINTIRE
INCORPORATED
WASHINGTON, D. C.

Charles & David
HABERDASHERS
CLEARANCE SALE

Genuine Bargains

**\$1.50 & 2.00 Manhattan & Bates Street
Shirts Reduced to \$1.15**

50c & 65c Neckwear	29c.
Triple Toe Hose	19c 3 for 50c.
Genuine \$1.50 Case Gloves	89c.
Boston & C. M. C. Garters	15c.
Imported Wool Caps	69c.

CHARLES & DAVID

ONE DAY LAUNDRY

THREE STORES

28 Huntington Ave.

232 Massachusetts Ave., 453 Columbus Ave.

MAJESTIC

Evenings at 8. Mats. Wed. & Sat.

The One Sensation in Boston

Henry W. Savage
Offers**MAD X AME**SEATS 25c. to \$1.50
Greatest Drama in 20 Years**Shubert**THEATRE
Tremont & Hollis Sts.

Evgs. at 8. Wed. & Sat. Mats. at 2

To-night One Week Only

Olga NethersoleAnd Her Company in
MARY MAGDALENEThe Latest Drama of
MAURICE MAETERLINCKDirect From The
New Theatre, New York.

NEXT WEEK—SEATS TUESDAY

Marie Cahill

Castle Sq Daily at 2 &
Tel Tremont 8

Mr. John Craig Announces

The Famous Musical Extravaganza

Jack and the Beanstalk

Prices 15c, 25c, 50c, 75c

Down-Town Ticket Office, 15 Winter St.

GLOBE Washington & Beach Sts.
THE ROSARY

Best Seats Evenings 25c. 50c.

Few 75c.

Wed. & Sat. Mats. 25c. Few 50c

HERRICK TICKETS
ALL THEATRES
COPLEY SQUARE

Telephones 2329, 2330 and 2331 Back Bay

TRINITY COURT PETIT LUNCH

UNDER NEW MANAGEMENT.

Lunch, 12 to 2 25c

Table deHote 5 to 7 35c

\$5.50 Meal Ticket \$5.00

E. A. LONG, Prop.

FALL AND WINTER NOVELTIES
C. A. Patten & Co.

Merchant Tailors

43 Tremont Street, Carney Bldg.
Nobby Suits at Popular Prices.*F. B. Galvin***Preston's
Coffee House**Open All Night.
1036 BOYLSTON STREET, BOSTON
Telephone 2206-1 B. B.**WRIGHT & DITSON**

Foot Ball and Basket Ball Suits

The Wright & Ditson Shoes and Head
Guards the best and most practical, also
Skates and Hockey Goods.The Wright & Ditson Sweaters have
long been recognized as the best.College Students and Athletes who want
the real, superior articles for the different
sports should get the kind that bear our
Trade-Mark.

CATALOGUE FREE

WRIGHT & DITSON**COLLINS & FAIRBANKS CO.****YOUNG MEN'S HATS****RAIN COATS****AUTO COATS**

383 Washington Street, Boston

Catalog 45 mailed upon request.

NOTICES AND CLASSIFIED ADS.**FACULTY NOTICES FREE.****ACTIVITIES, 4c PER LINE.****INDIVIDUALS, 8c PER LINE.****SIX WORDS TO A LINE.****MASSACHUSETTS INSTITUTE OF
TECHNOLOGY.****NOTICE.**The Tech will pay five cents for
copies of each of the following issues
of last year: Nos. 53, 121, 137.**NOTICE.**LOST—A Slide Rule in leather
case, with owner's name on it; \$1.00
reward. L. O. MILLS.TWO ROOMS at 273 Beacon, one
single at \$4.00; one double at \$7.00.
Baths on each floor. Only Tech stu-
dents in house. (71-78-75)**NOTICE.**Gentlemen, I call to your attention
that I will pay more for your cast-off
clothing than any one in my line of
business. A trial will convince you.
Send postal to Max Keezer, 3 Bow
street, or telephone Cambridge, Mass.,
302. (tf)**NOTICE.****Swimming Team.**Regular Practice Friday, 4.30-6.00 P.
M., at the Cabot Street Tank.**"THE LITTLE PLACE
'ROUND THE CORNER'
COPLEY LUNCH
QUICK SERVICE****LANDERS'****Lunch and Coffee House,**20 HUNTINGTON AVENUE,
NEAR COPLEY SQUARE,
327 MASSACHUSETTS AVE.
Tel. 3195-1 Back Bay BOSTON**BOSTON
OPERA HOUSE**

HENRY RUSSELL, Managing Director

Wed. Eve., Jan. 4, 1911, at 8 p. m.

Lucia

Fri. Eve., Jan. 6, 1911, at 8 p. m.

The Pipe of Desire

Preceded by

Cavalleria Rusticana

Sat. Mat., Jan. 7, 1911, at 2 p. m.

Madama Butterfly

Sat. Eve., Jan. 7, 1911, at 8 p. m.

La Traviata

Sat. Eve., POPULAR PRICES 50c. and \$1.00

Regular Prices from \$1 to \$5

Mason & Hamlin Pianos used

Come to "The Union"When you want a good
"BOILED SUPPER"A nice, thick, juicy steak with
hot rolls, potato and
a cup of tea or coffee for
A QUARTER.

You know our number

42 TRINITY PLACE**J. C. LITTLEFIELD**

 Smart and effective fabrics;
the latest texture and the
most fashionable shades
prices that are right.
DRESS CLOTHES A SPECIALTY
Beacon Street, Boston**Marpan****PHOTOGRAPHER**160 TREMONT ST.
BOSTONAll Goods Required by
Students at**MacLachlan's**

502 Boylston St.

Drawing Instruments and Materials, etc.
Fountain Pens, Text-Books

MR. A. J. SHEAFE

MASTER of DANCING**SHEAFE'S HALL**

30 Huntington Avenue

Private Lessons Daily by Appointment.

Tel. 22195

OLD COLONY TRUST COMPANY

Capital and Surplus, \$12,500,000.00

Main Office, Court Street**Branch Office, Temple Place****SAFE DEPOSIT VAULTS AT BOTH
OFFICES**

THE TECH

VOL. XXX. NO. 72

BOSTON, MASS., SATURDAY, JANUARY 7, 1911

PRICE TWO CENTS

BASKETBALL TEAM PLAYS DARTMOUTH

Varsity Five Leaves For Hanover Full of Fight and Confidence.

TECH VICTORY EXPECTED.

New Men Playing for the Green Will Make Tech's Chances Even Better.

Technology's fast basket ball team is playing in Hanover this evening against the Dartmouth five as the opening game of their season. The wearers of the Green have a number of new men on their team this year, and for that reason and because they have played no other games, it is hard to get a line on their strength. The game is to be played in the new Gym at Dartmouth, which will be dedicated at the time—this is in a way a great help to the Institute team, for the Dartmouth men will not have had a chance to practice much in the new building. Nearly all of Dartmouth's first string men left college last year, and the only veteran on the team is Captain Mullin, who is a strong, fast man. Dingle, Hedges and Hoban are also good men who may show up well. Coach Keady has some fast football men whom he is to try to work into the game so that things will be quite interesting all the time. The men had to report early after the Christmas va-



CAPTAIN T. B. PARKER,
Varsity Basketball Team.

cation to get back into condition for the game, and they have told of some very fast practice sessions.

The Varsity are all in first rate shape for the game, and may be depended upon to play their usual game, and the speed that they have shown in the first three games of the season will be enough to keep Dartmouth on the jump all the time. Palmer is in better form than ever and will give one of the guards' about all he can do to stay with him, while Captain Parker is shooting some these days. Johnston is also scoring some clever baskets. He had the Freshman center guessing at the Gym Wednesday night. The backs are playing a steady, consistent game and are covering much better than they did in the Boston College game. The dope from the New York trip would give Tech a little advantage, seemingly, but the Green will put up a strong, hard fight and the game will be the hardest of the year to date.

The training table has been of great value to the men and has made a great difference in their play, particularly in the second half. They have the power to "come back" as they did at Brooklyn with the score against them and win out. There is not a single man on the team who isn't in shape, and there are no injuries of any kind among the players. They were excused from work yesterday afternoon and will feel all the better tonight for the lay-off, for the work right from the start of the season has been hard and without a let-up till yesterday. There will be no change in the lineup which has started all the

(Continued on Page 3.)

VERY INTERESTING LECTURE ON EGYPT

Rev. A. W. Archibald of Newton Centre Describes His Trip in Egypt.

SHOWS GENUINE SCARAB.

Small Crowd Present, Due to Track Meet and Nearness of Exams.

Owing to an unfortunate combination of conflicting events, only a small crowd was present to listen to Rev. A. W. Archibald's talk on "Egypt and Its Archaeology."

The track meet taking place at the Gym, the nearness of the exams and the absence of the Glee Club and hockey teams, all served to keep away many who would have been interested in the talk.

Those present grouped themselves around one of the big tables in the main room, while Rev. Mr. Archibald spoke informally on his trip.

Alexandria, which abounds in monuments of the ancient Egyptians, was the first place visited. Here is the place where Antony and Cleopatra spent the latter part of their lives. Just outside of the city are the pyramids. It has been estimated that the masonry in the largest of these, that of Cheops, which covers an area of thirteen acres, would suffice to construct a wall six feet high and two feet thick and long enough to completely surround France. Other vast storehouses of brick are seen. The walls of some of these are twenty-feet thick and they measure some five hundred feet each way. They were constructed by the Israelites during their bondage, and in some places the brick is seen to be of inferior quality, containing no straw. This is in striking accord with the Bible where the Jewish people complain that they cannot make bricks without straw.

At some distance from the Pyramids stands the Sphinx, carved out of solid stone, with the body of a lion and the face of a man. It faces the east as if to greet the rising sun, but the secret which it is supposed to possess has never been disclosed. During all the centuries that it has lain there it has broken its silence only once. It is claimed that as Ralph Waldo Emerson was gazing on it in silence for a long time the Sphinx could stand it no longer and finally astounded the poet by saying "You're another." This incident, however, has never been fully proved.

It was near these Pyramids that Napoleon is said to have cried to his army, "Du haut de ces pyramides, quarante siecles vous contemplent."

From Alexandria Rev. Mr. Archibald went to Cairo, where stands the famous Vocal Memnon. This statue was claimed to emit at sunrise a sound resembling that of a harp. Later observations have shown that many stones do in fact make a crackling noise when the sun's rays first fall on the cold stones.

Here also was seen the famous temple of Carnac, which is twice as large as St. Peter's in London. Ten men with arms outstretched can barely surround one of the columns in the Hall of Columns.

In the museum nearby may be seen the mummies of the Pharaohs and the Rameses in almost perfect state of preservation.

It was also here that the Rev. Mr. Archibald was offered a scarab by his guide. It was afterward pronounced by experts to be genuine and is highly prized. The scarab was to the Egyptians the symbol of immortality and was carved in stone to be used as signets. On the back may be seen an inscription denoting the owner.

(Continued on Page 3.)

SENIORS WIN THE INTERCLASS MEET

Juniors Are Second, Sophs and Freshies Tie For Third.

SALISBURY INDIVIDUAL STAR.

Grant, 1912, and Mills, 1911, Each Score Ten Points—Freshmen Perform Remarkably Well.

The Seniors won the Interclass Meet handily last night, with a score of 34 points, which was even better than 1912 could do. The Freshmen furnished a welcome surprise by tying for third with the Sophs and bringing out a lot of good material. If Capt. Guething, the Freshman star, had competed, 1914 might have taken third place.

Capt. Salisbury was the individual star of the meet, scoring 12 points for 1911. L. O. Mills, 1911, and J. S. Grant, 1912, each scored 10 points, Grant furnishing the surprises of the meet by winning the hurdles from Pead, 1911, and taking first in the 30-yard dash.

The meet was characterized by close finishes, and the winning class was in doubt until the finish of the last event.

The results:

35-Yard Dash.

1st Heat—1st, Salisbury, 1911; 2nd, Strachan, 1913. Time, 4 4-5 seconds.

2nd Heat—Wilson, 1914; Munch, 1913. Time, 4 3-5 seconds.

3rd Heat—Thompson, 1913; Grant, 1912. Time, 4 2-5 seconds.

4th Heat—Bowler, 1914; White, 1911. Time, 4 3-5 seconds.

1st Semi-Final—Wilson, Salisbury. Time, 4 3-5 seconds.

2nd Semi-Final—Grant, Bowler, Time, 4 3-5 seconds.

Finals—Grant, Bowler, Salisbury, Wilson. Time, 4 2-5 seconds.

Mile Run.

1st, L. O. Mills, 1911; 2nd, H. G. Watkins, 1912; 3rd, G. C. Shedd, 1914; 4th, E. E. Ferry, 1912. Time, 4 minutes 51 4-5 seconds.

440-Yard Dash.

1st, W. C. Salisbury, 1911; 2nd, R. C. Thompson, 1913; 3rd, B. S. Munch, 1913; 4th, G. B. Cummings, 1911. Time, 58 2-5 seconds.

880-Yard Run.

1st, L. O. Mills, 1911; 2nd, E. T. Marceau, 1912; 3rd, W. R. Bylund, 1913; 4th, R. D. Sampson, 1913. Time, 2 minutes 12 2-5 seconds.

High Jump.

1st, P. W. Dalrymple, 1912; 2nd, L. S. Hall, 1914; 3rd, H. B. Alvord, 1912; 4th, T. L. Chase, 1914. Height, 5 feet 6 inches.

Shot-Put.

1st, O. V. Chamberlain, 1911; 2nd, N. D. MacLeod, 1913; 3rd, R. M. Freeman, 1913; 4th, P. B. Owen, 1914. Distance, 36 feet 11 1/2 inches.

Pole Vault.

1st, W. C. Salisbury, 1911; 2nd, W. D. Allen, 1911; 3rd, H. Greenleaf, 1912; 4th, E. Mangan, 1912. Height, 10 feet 3 inches.

40-Yard Hurdles.

1st, J. S. Grant, 1912; 2nd, W. J. Pead, 1911; 3rd, T. L. Chase, 1914. Time, 6 seconds.

Summary: 1911, 34 points; 1912, 27 points; 1913, 13 points; 1914, 13 points.

The officials of the meet were:

Referee—Dean Burton.

Judges—Dr. J. A. Rockwell, Major F. H. Briggs, I. W. Wilson, 1911 and K. D. Fernstrom.

Starter—H. S. Benson, 1912.

Clerk—M. L. Waterman, 1913.

CERTAIN DOOM OF THE VETO POWER

Mr. John Redmond, Leader of the Irish Nationalist Party, Makes Prophecy.

PREMIER CAN SETTLE QUESTION

Redmond Appeals to the Democracy of Great Britain to Assist Irish.

John Redmond, leader of the Irish nationalist party, has written an important article on the new political situation here which will appear in the newspapers on Sunday.

Mr. Redmond contends that as a result of the recent election the veto power of the house of lords is doomed; that the premier, Mr. Asquith, has a complete and unequivocal mandate to settle the Irish question finally and that the settlement is to be effected by a concession to the Irish people of full self-government in all purely Irish affairs.

Mr. Redmond appeals to the democracy of Great Britain to assist the Irish nationalists in Ireland. He says that ever since the act of union has compelled the presence of Irish members at Westminster they have been the friends, champions and often the pioneers of the cause of democracy in Great Britain as well as in Ireland.

He declares it is a long time since patriotic Irishmen came to recognize that their quarrel was not with the overwhelming masses of British people, the enlightened middle classes and oppressed workers struggling manfully toward emancipation, but with an oligarchy of peers, plutocrats and landlords, who have monopolized the power, wealth and land of the country, and who until now were able, by fraud, force, or guile, or by all these combined, to speak and act in the name of the British people.

Dealing with the question in Ulster, Mr. Redmond remarks:

"In the struggle that is before us enormous wealth and the most unscrupulous argument will be used, in order to frighten the masses of the British people from a completion of their work of Irish pacification.

"It is already clear from the Unionist campaign that the chief ground on which home rule will be opposed by the forces of reaction and privilege will be the calumny that the Irish people are bigoted and intolerant; that the Irish Protestants would not be safe under the sway of a freely elected Irish parliament.

CALENDAR

Saturday.

2.15—1914 Indoor Track Team—Gym.

2.30—Varsity Track Team—Gym.

2.30—Hockey: Technology vs. Rensselaer Polytech, at Albany.

5.00—Tech Second vs. Brookline Hockey Club—Arena. Practice Game.

1914 vs. Reading High Alumni Basketball—Reading.

8.00—Basketball: Technology vs. Dartmouth, at Hanover.

8.00—Basketball: Technology Seconds vs. Dean Academy, at Franklin.

Monday.

5.00—Basketball Practice—Gym.

5.00—1914 Basketball—Gym.

Tuesday.

1.00—Tech Board Meeting (with lunch)—Union.

1.30—Union Committee Meeting—Dean's Office.

4.00—Glee Club Practice—Union.

4.15—Gym Team Practice—Gym.

4.15—Varsity Indoor Track Team—Gym.

At the University of Washington the girls are also eligible to wear the "Varsity 'W'" for excellence in various branches of athletics.

THE TECH

Published daily, except Sunday, during the college year by students at the Massachusetts Institute of Technology.

Entered as second-class matter, Sept. 29, 1910, at the post office at Boston, Mass., under the Act of Congress of March 3, 1879.

S. E. Bates, 1911.....General Mgr.
News Board.

G. M. Keith 1912....Editor-in-Chief
E. W. Tarr, 1912....Managing Editor
A. L. Myers, 1911....Institute Editor
P. L. Flansburg, 1912. Societies Editor
R. S. Rankin, 1913....Athletic Editor
T. E. Senior 1913....Gen'l News Editor

Business Board.

M. W. Hall, 1912....Business Manager
J. B. Nealey, 1912....Advertising Mgr.
A. T. Gibson, 1913....Circulation Mgr.

Associate Editor.

E. W. Taft, 1913.....Calendar

News Staff.

K. C. McKenney, 1912.
A. J. Pastene, 1913.
C. F. Cairns, 1913.
W. Katzenberger, 1913.
M. Paris, 1914.

Business Staff.

K. S. Johnson, 1914.
J. C. Morse, 1914.
D. E. Van Volkenburgh, 1914.

Art Staff.

W. S. Crost, 1912.
H. B. Horner, 1913.
E. C. Taylor, 1914.

Office, 42 Trinity Place.
Telephone, Back Bay 2184.

All communications should be addressed to the proper departments.

Subscriptions \$2.00 per year in advance. Single copies 2 cents.

Subscriptions within the Boston Postal District and outside of the United States must be accompanied by postage at the rate of one cent a copy.

Printed by Croke Printing Co.

SATURDAY, JANUARY 7, 1911.

It is often difficult for a student to think of leaders in thought and action in the role of students like himself. Many of the ablest men in the technical and industrial worlds have prepared themselves for lives of usefulness and service in such institutions as Technology. Prominent among men connected with the Institute was our former President Walker, who prepared at Amherst College. His example as cited by a classmate may be of value to some of us.

"General Walker's college career was characterized by steadiness of purpose and brilliancy of execution. In his day all of the college studies were 'required,' but none of them were slighted by Walker. In the last two years of the course he displayed great fondness for economic, historical and philosophical pursuits, and in these he was pre-eminent. He possessed a remarkable power of quick resting. He could turn from one tiresome study to another, apparently with little effort, and after a hard forenoon's work in three or four distinct fields, take a bit of a nap, and start perfectly fresh for his afternoon's duties. His energy was not satisfied by mere perfunctory fulfillment of his prescribed duties; he sought and gained great distinction in athletics, in the rhetorical exercises of the 'Open Societies,' in college-editorial writing, and in chess. Although the youngest man in his class, his influence was greater than that of any one else, for he was rightly regarded as fair to all. He was believed by all his associates to be thoroughly honest in thought, and word, and deed, and his opinions on every subject were treated with respect."

SECOND TEAM MEETS

DEAN AT FRANKLIN

Capt. Muther's Men Are Confident of Adding Another Victory to Their String.

The Second Basketball Team goes to Franklin tonight to play the strong

Dean Academy team. Dean has no especially brilliant individual stars, but has a reputation for wonderful team work. Coach Sullivan is accustomed to putting an entirely new five on the floor in the second half, thus gaining the desired fresh strength without any loss of team work which the putting in of substitutes might involve.

This game is expected to be the hardest on the schedule, with the possible exceptions of Andover and the Chelsea Y. M. C. A. The Institute boys will not be able to follow Dean's stunt of using a number of new men, but those who are going with the team are of sufficient good calibre to make up for this slight advantage. The men have been practicing regularly against the first team and are in first-class condition, as their game with the Melrose All-Stars showed. Practically the same team that played against that five last Wednesday will go to Franklin tonight. Capt. Muther, Price, Metcalf, Kenrick, Stone, Mowry and Sampson will make the trip.

The team will leave Back Bay Station at 5.28 P. M., arriving at Franklin at 6.20. Supper will be served to the players in the Academy dining room. The game will be called at 7.45 sharp, in order that it may be over in time for the Institute men to catch the train leaving at 9.40 for Boston.

**ELECTION OF OFFICERS
OF BIOLOGICAL SOCIETY**

S. M. Schmidt Is New President
and H. E. Babbit Is Secretary-Treasurer.

At the semi-annual election of officers of the Biological Society yesterday afternoon, Mr. S. M. Schmidt, 1911, was elected President; H. E. Babbit, 1911, Secretary-Treasurer, and J. I. Murray, 1912, was made Assistant Secretary-Treasurer for the ensuing term.

An amendment to the constitution was also adopted doing away with the old method of sending out postals notifying members of approaching meetings, though the Secretary was instructed to send postals when he thought best.

A report of the Secretary-Treasurer for the past term was read, and this showed that the deficit with which the society began the year had been abolished. The resume of the work done and meetings held was good evidence that the society has is no way deteriorated from the high standard maintained in the past.

It's a
FOWNES
That's all you need to know
about a
GLOVE

5

412 Washington Street
HAT MAKERS
The Sphinx
The Mallory
Two and Three Dollars

AMERICAN HOUSE
Boston
A homelike, first-class hotel,
proud of New England
traditions, dating from
Gen. Warren, yet
newlyfurnished
with every
comfort &
convenience
VISIT THE RATHSKELLER
Long distance
phone and
hot and cold
water in every
room. Kept con-
stantly clean by our
vacuum plant. Rooms
\$1.00 a day and up.

C. F. HOVEY & CO

Summer, Chauncy and Avon Streets

MID-WINTER SALE

Reduction in Men's Shirts

NEGLIGEE SHIRTS

Men's Fancy Negligee Shirts,
of our own manufacture.

Reduced from \$1.50 to \$1.15
" " \$2.00 to \$1.35

CUSTOM SHIRTS

Our regular fancy shirts,
made to measure from D.
& J. Anderson cheviot and
madras, with neckband, one
pair of cuffs, attached or
separate, in $\frac{1}{2}$ doz. lots.

Reduced from \$3.50 to \$2.75

Men's white cotton night
shirts, with collar, cut full
and long, our own make.
Reduced from \$1.00 to 75c.

For \$3.00 each

EIMER & AMEND

HEADQUARTERS FOR CHEMICALS, CHEMICAL APPARATUS, MINERALS, ETC.

WE CARRY THE LARGEST STOCK OF
LABORATORY SUPPLIES IN THE U. S.

First Quality Supplies Only. Prompt Service

Our European connections are such that we are enabled to offer
you the best services for duty free importations on
scientific supplies at the lowest prices.

Analytical Balances and Weights
ONE OF OUR LEADING SPECIALTIES

EST'D - 1851
203-211-THIRD-AVE
NEW-YORK-CITY

MORSE & HENDERSON

MERCHANT TAILORS 18 BOYLSTON STREET BOSTON, MASS.

TELEPHONE 99 OXFORD

Suits \$35 and Upwards Overcoats \$35 and Upwards

For Thirty Days from date any Suit in our Shop for
\$35.00 Former Price \$40, \$45, \$48

"THE LITTLE PLACE
'ROUND THE CORNER'
COPLEY LUNCH **HIGGINS'**
QUICK SERVICE

LANDERS'

Lunch and Coffee House,

20 HUNTINGTON AVENUE,
NEAR COPLEY SQUARE,
327 MASSACHUSETTS AVE.
Tel. 3195-1 Back Bay BOSTON

Drawing-Inks
Eternal Writing-Ink
Engraving-Ink
Taurine Mucilage
Photo-Mounter
Drawing-Board Paste
Liquid Paste
Office Paste
Vegetable Glue, Etc.

Are the Finest and Best Inks and
Adhesives. Emancipate yourself
from the use of corrosive and ill-
smelling inks and adhesives and
adopt the Higgins Inks and Ad-
hesives. They will be a revelation
to you, they are so sweet, clean,
and well put up.

At Dealers Generally.

CHAS. M. HIGGINS & CO., Mfrs.
Branches: Chicago, London
27 Ninth Street, Brooklyn, N.Y.



**WRESTLING TEAM
PROGRESSING WELL**

Two Bouts Arranged With Salem Y. M. C. A. For February 24.

INTEREST HOLDS UP.

Men Developing in the Art and Are Showing Fine Form and Condition.

In spite of the fact that the prospective coach has, up to the present time, failed to materialize, the interest in wrestling has not only been sustained, but has steadily increased. A. G. Herreshoff has managed to keep all the members of the squad busy.

Among the men who came out at the beginning of the season there are many who have shown themselves to be very promising future mat stars. A. G. Herreshoff in the heavy-weight, Guy, Hodeman and MacNeill in the middle-weight, Busby in the welter-weight and A. H. Means in the light-weight class, seem to hold the honors at present.

On February 24th Tech will have two bouts at Salem with the local Y. M. C. A. Last year two bouts were held there and M. I. T. got an adverse decision in each case. This year looks very hopeful for a complete revenge. At the same time the Gym team has a meet with the Salem Y. M. C. A. They also hope for revenge after their doubtful defeat last year. Tech will have to be so superior to Salem in every contest in order that a con-

scientious local judge will have to award her the decision before we can hope for a reversal of last year's record. Every man should start now and plan to spend the evening of February 24th at Salem and see the meet. The Gym team and the Wrestling team are both out for "blood" and will surely furnish both interest and excitement. Remember the date, February 24th.

(Continued from Page 1.)
games unless something happens. All the men will get into the game for a few minutes at least, and probably for one-half.

The probable lineup:
Technology. Dartmouth.
Parker (Capt.), Ell, I. f.
r. b., Mullin (Capt.)
Palmer, r. f. l. b., Ryan, Harmon
Johnston, c. c., Gibson
Darling, Freedman, l. b.
r. f., Scully, Edwards
Crocker, Schar, r. b.
l. f., Mensel, Winship

(Continued from Page 1.)
At the close of the talk Rev. Mr. Archibald remained a few moments to answer the questions of those interested, and related many interesting incidents about his journey.

IN THE LIMELIGHT.

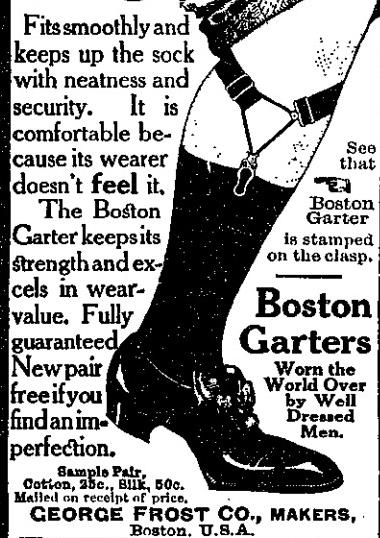
Be good to the new towels in the Union.

All Sophs should get their electoral ballots at the Cage. Ballots are due at 1 o'clock today.

Have you seen the latest edition of "Plant News?"

Boston Garter

Velvet Grip



Sample Pair,
Cotton, 25c. Silk, 50c.
Mailed on receipt of price.
GEORGE FROST CO., MAKERS,
Boston, U.S.A.

Copley Branch

48 HUNTINGTON AVENUE

Tel. 2518-1 B. B.

Minds' Hand Laundry

COMPANY, INC.

MEETS THE REQUIREMENTS
OF THE STUDENT
AWAY FROM HOME

Charles & David

HABERDASHERS

CLEARANCE SALE

Genuine Bargains

\$1.50 & 2.00 Manhattan & Bates Street
Shirts Reduced to \$1.15

50c & 65c Neckwear	29c.
Triple Toe Hose	19c
3 for	50c.
Genuine \$1.50 Case Gloves	89c.
Boston & C. M. C. Garters	15c.
Imported Wool Caps	69c.

CHARLES & DAVID

ONE DAY LAUNDRY

232 Massachusetts Ave.,

THREE STORES

28 Huntington Ave.

453 Columbus Ave.

FATIMA

**TURKISH
BLEND
CIGARETTES**



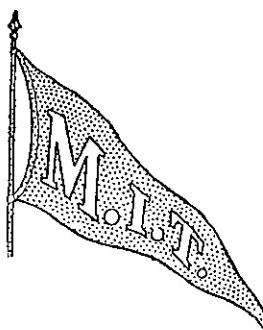
LAW

Judge Fatimas on merit and they'll acquit themselves well.

The college man's verdict is: "*Distinctively individual.*" Therefore Fatimas are the favorite of students.

If you will try Fatima you will continue to buy them. Inexpensively packed and you get ten additional. 20 for 15 cents.

THE AMERICAN TOBACCO CO.



With each package of Fatima you get a permanent coupon, 25 of which secure a handsome felt college pennant (12x32)—selection of 100.

HOTEL BRUNSWICK

BOSTON

EUROPEAN AND AMERICAN PLANS

HERBERT H. BARNES, Proprietor.

THE ONLY UP-TO-DATE ART STORE AND FRAME SHOP

Bring in your Pictures and Diplomas and get our Prices on Framing. We carry a very large line of imported Pictures and Bronze Novelties.

SPORTING PICTURES AND COLLEGE POSTERS

SOUTH END PICTURE STORE

199 West Newton Street,

(Opp. Little Wanderers' Home.)

STONE & WEBSTER

CHARLES A. STONE, '88
RUSSELL ROBB, '88

ELIOT WADSWORTH,

EDWIN S. WEBSTER, '88
HENRY G. BRADLEE, '91

Securities of Public Service Corporations
Under the Management of our Organization

**STONE & WEBSTER
MANAGEMENT ASSOCIATION**
GENERAL MANAGERS OF PUBLIC
SERVICE CORPORATIONS

**STONE & WEBSTER
ENGINEERING CORPORATION**
CONSTRUCTING ENGINEERS

PATENTS

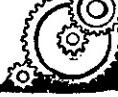
Prize Offers from Leading Manufacturers

Book on patents. "Hints to inventors." "Inventions needed." "Why some inventors fail." Send rough sketch or model for search of Patent Office records. Our Mr. Greeley was formerly Acting Commissioner of Patents, and as such had full charge of the U. S. Patent Office.

GREELEY & MCINTIRE

INCORPORATED

WASHINGTON, D. C.



MAJESTIC

EVENINGS at 8, Mats. Wed. & Sat.

The One Sensation in Boston
Henry W. Savage
Offers

MAD X AME

SEATS 25c. to \$1.50
Greatest Drama in 20 Years

Shubert THEATRE

Tremont & Hollis Sts.

Eve. at 8, Wed. & Sat. Mats. at 2

To-night One Week Only

Olga Nethersole

And Her Company in

MARY MAGDALENEThe Latest Drama of
MAURICE MAETERLINCK

Direct From The

New Theatre, New York.

NEXT WEEK SEATS TUESDAY
Marie Cahill**Castle Sq**

Daily at 2 &

Tel Tremont 8

Mr. John Craig Announces

The Famous Musical Extravaganza

Jack and the Beanstalk

Prices 15c, 25c, 50c, 75c

Down-Town Ticket Office, 15 Winter St.

GLOBE Washington & Beach Sts.**THE ROSARY**

Best Seats Evenings 25c. 50c.

Few 75c.

Wed. & Sat. Mats. 25c. Few 50c

Official Class Pipes

SILVER INLAID

Maurice Schryver

44 SCHOOL STREET

Just Below Parker House

TRINITY COURT PETIT LUNCH

UNDER NEW MANAGEMENT.

Lunch, 12 to 2 25c
Table deHote 5 to 7 35c
\$5.50 Meal Ticket \$5.00

E. A. LONG, Prop.

HOTEL WESTMINSTER BARBER SHOP**Stylish Hair Cutting**

Special Rates to Students

Free Application of Hannigan's
Hair Tonic with every Hair Cut

Stops Hair from Falling Out

M. J. HANNIGAN, Prop.

*Fred F. Galvin***Preston's
Coffee House**

Open All Night.
1036 BOYLSTON STREET, BOSTON
Telephone 2206-1 B. B.

Tech Emblems

Greatest Variety
Lowest Prices

BENT & BUSH

15 School Street

BOSTON

NOTICES AND CLASSIFIED ADS.

FACULTY NOTICES FREE.

ACTIVITIES, 40 PER LINE.

INDIVIDUALS, 80 PER LINE.

SIX WORDS TO A LINE.

MASSACHUSETTS INSTITUTE OF
TECHNOLOGY.

First Year—Choice of Course.

Circulars in regard to the Choice of Course were sent to all first year students with the report of standing for the second five weeks. Cards will be distributed among first year students at some Chemistry exercise, and they are to be returned with a provisional Choice of Course indicated on them. This choice is not binding, but students are earnestly asked to consult with their parents and their instructors at once in order that this provisional choice may be made within the next two weeks.

WALTER HUMPHREYS,
Registrar.

NOTICE.

First Year—Conferences in Regard to
Choice of Course.

Course I and XI, Professor Spofford, will meet students on Thursday, January 5th, at 1:15 P. M., in Room 49, Engineering A.

Course II, Professor Lanza, will meet students on Wednesday, January 4th, from 1 to 2 P. M., in Room 11, Engineering B.

Course VI, Professor Jackson, will meet students on Monday, January 9th, from 1 to 2 P. M., in Room 6, Lowell Building.

Course XIII, Professor Peabody, will meet students on Tuesday, January 10th, from 1 to 2 P. M., in Room 32, Engineering C.

ALFRED E. BURTON, Dean.
January 2, 1911.

DYNAMO ELECTRIC MACHINERY,
661.

The problem assigned on Monday has been neostyled and may be obtained by applying at Room 5, Lowell.

HARRISON W. SMITH.

FOUND.

A fob has been found, marked "M. I. T." Same may be obtained by proving identity by telephonic communication with Mr. Smith, M. 1757.

(73) F. H. RAND, Bursar.

HERRICK TICKETS
ALL THEATRES
COPLEY SQUARE

Telephones 2329, 2330 and 2331 BackBay

NOTICE.

The Tech will pay five cents for copies of each of the following issues of last year: Nos. 53, 121, 137.

TWO ROOMS at 273 Beacon, one single at \$4.00; one double at \$7.00. Baths on each floor. Only Tech students in house. (71-73-75)

NOTICE.

Gentlemen, I call to your attention that I will pay more for your cast-off clothing than any one in my line of business. A trial will convince you. Send postal to Max Keezer, 3 Bow street, or telephone Cambridge, Mass., 302. (tf)

FIRST YEAR.

Conferences in Regard to Choice of
Course.

Course III.

Professor Richards will meet students on Thursday, January 12th, between 1 and 2, in Room 1, Rogers.

Course IV.

Professor Chandler will meet students on Wednesday, January 11th, between 1 and 2, in Room 42 Pierce.

Course VII.

Professor Sedgwick will meet students on Monday, January 9th, from 11 to 12; Tuesday, January 10th, from 10 to 11; and Thursday and Friday, January 12th and 13th, from 12 to 1, in Room 27 Pierce.

Course VIII.

Professor Cross will meet students on Monday, January 9th; Wednesday, January 11th, and Friday, January 13th, at 1:15, or by appointment, in Room 11 Walker.

Course XIV.

Professor Goodwin will meet students on Tuesday and Thursday, January 10th and 12th, from 1 to 2, in Room 2 Walker.

A. E. BURTON, Dean.

January 3, 1911.

OLD ESTABLISHED

DINING ROOM

MRS. H. O. HANSON, Proprietor
Successor to A. G. Cotton
33 St. Botolph St.
Best Board in Back Bay.
Reasonable Rates.
We make a Specialty of Serving
Tech Students.

BOSTON OPERA HOUSE

HENRY RUSSELL, Managing Director

Wed. Eve., Jan. 4, 1911, at 8 p. m.

Lucia

Fri. Eve., Jan. 6, 1911, at 8 p. m.

The Pipe of Desire

Preceded by

Cavalleria Rusticana

Sat. Mat., Jan. 7, 1911, at 2 p. m.

Madama Butterfly

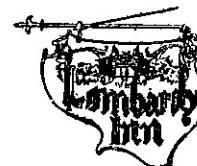
Sat. Eve., Jan. 7, 1911, at 8 p. m.

La Traviata

Sat. Eve., POPULAR PRICES 50c. and \$1.00

Regular Prices from \$1 to \$5

Mason & Hamlin Pianos used

**Lombardy Inn**

Boston's Famous Italian Restaurant

1 AND 2 BOYLSTON PLACE

The Apollo

"**The Chocolates**
that are different."

For Sale at the Union.

Marceau

PHOTOGRAPHER

J.

180 TREMONT ST.

BOSTON

All Goods Required by
Students at**MacLachlan's**

502 Boylston St.

Drawing Instruments and Materials, etc.
Fountain Pens. Text-Books

MR. A. J. SHEAPE

MASTER of DANCING

SHEAPE'S HALL

30 Huntington Avenue

Private Lessons Daily by Appointment.

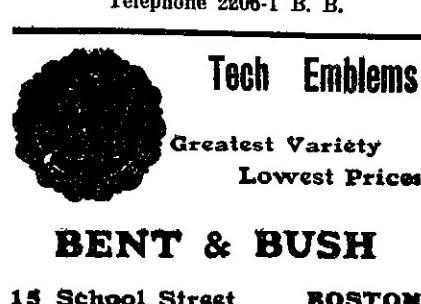
Tel. 22195

OLD COLONY TRUST COMPANY

Capital and Surplus, \$12,500,000.00

Main Office, Court Street

Branch Office, Temple Place

SAFE DEPOSIT VAULTS AT BOTH
OFFICES

THE TECH

VOL. XXX. NO. 72

BOSTON, MASS., MONDAY, JANUARY 9, 1911

PRICE TWO CENTS

M. I. T. FIVE DEFEATED BY DARTMOUTH TEAM

In a Closely Contested Game Tech Loses in Last Three Minutes of Play.

SCORE: 20 TO 14.

Game Was Characterized by Much Rough Play—Many Fouls Called.

The Varsity basketball team lost a hard game Saturday night at Hanover to the fast Dartmouth five by a score of twenty to fourteen. The game was close and rough from the start, and both teams played to the limit. Dartmouth was playing her first game and gave promise of having a team that will be better than any that has represented her for a number of years. The Gym was crowded with fellows, and many had to be turned away because of lack of room in the old building. The new one will be ready for use in the next home game, but was not available for the Tech game.

Captain Mullin scored the first point in a half minute of play on a free try, then the score grew slowly by a basket now for Tech and now for Dartmouth, till the end of the first half gave us the lead by one point. During this half the play had been very rough and three men had been put out for fouls, and this, of course, contributed much to the final score. The second half was much the same except that Capt. Parker's men could not hold the Green team down as well. There was much more passing and Dartmouth had many shots from the floor which failed. This half was cleaner and freer from the dirty work that had characterized the play in the early part of the game. The Dartmouth superiority came from their better knowledge of the peculiarities of their floor, more than from the quality of their play, for at times Tech seemed to get lost, and when they got back they would find that they had dropped another basket. The trip up there is a very hard one on the men, and of course this did not aid their playing. The game as a whole showed that our team needs lots of practice before the Brown game to put them in trim, but that they have lots of speed at times. This week will give Captain Parker a chance to improve this sort of work and get them to playing together all the time. Captain Parker easily played the best game for Tech, but both Schar and Palmer gave him a close rub for honors. The Dartmouth captain, Mullin, did the best work for his team, though the work of Hoban stood out as a shining example of how to play a defensive back.

The score:

Technology—14. Dartmouth—20. Parker (Capt.) 1. f.....r. b. Hoban Ell, 1. f.....r. b. Harmon Palmer, r. f.....l. b. Mensel Johnston, Parker, c.....c. Gibson Crocker, 1 b.....r. f. Mullin (Capt.) Darling, 1. b.....l. f. Scully Schär, r. b.....l. f. Jones Referee—Hardy. Umpire—Hedges. Timer—Hillman. Scorer—Dingle. Time—Two twenty-minute halves.

SECOND TEAM LOSES TO DEAN ACADEMY

Men Put Up Hard Fight Under Many Difficulties.

The Second team suffered the first defeat of the season last Saturday night at Franklin. They were greatly handicapped by the exceedingly (Continued on Page 3.)

TECH HOCKEY TEAM WINS TWO GAMES

Louden Field Club Defeated at Albany On Friday and Saturday.

SCORES: 8-5, 5-4.

New Yorkers Are Outgeneraled and Outplayed by Institute Team—Both Games Close and Hard-Fought.

The Institute hockey team returned from Albany Saturday night with two more victories to their credit. The Louden Field Club of Albany was defeated on Friday evening by a score of 8 to 5, and again on Saturday afternoon by a score of 5 to 4. The game on Saturday was to have been played with Rensselaer Polytech, but their management cancelled the game on account of their taking a trip to Pittsburgh.

Both games were hard-fought and full of excitement. The Louden Field men were materially aided by the fact that they were on their home rink, while the Tech men were slightly handicapped by the smallness of the rink. The Tech team excelled in teamwork and passing, while Ranney at goal and Vose at point did some star defensive playing.

The summary:

Technology. Louden F. Club. Stucklen, f....f., Burlingame (Dunn) Hurlburt, f.....f., Stanley Sloane, f.....f., A. Wheeler Scoville, f.....f., T. Wheeler Gould (Capt.), c. p.....c. p., Mayar Vose, p.....p., Stott Ranney, g.....g., French Score—Tech 8, Louden Field Club 5.

Goals—Stucklen 2, Scoville 1, Hurlburt 3, Sloane 2, Stanley 2, A. Wheeler 1, Dunn 1.

Referee—McDonald.

Time of halves—20 minutes.

The second game was even harder fought than the first, and the result was uncertain up to the very end, when Tech managed to pull out 1 goal ahead.

The summary:

Technology. Louden F. Club. Scoville (Storke) f....f., Burlingame Stucklen, f....f., A. Wheeler (Dunn) Hurlburt, f.....f., Stanley Sloane, f.....f., T. Wheeler Gould (Capt.) c. p.....c. p., Mayar Vose, p.....p., Stott (Townsend) Ranney, g.....g., French Score—Tech 5, Louden Field Club 4.

Goals—Stucklen 3, Hurlburt 1, Sloane 1, T. Wheeler 1, Stanley 2, Dunn 1.

Referee—McDonald.

Timekeepers—Cox and Ten Eyck. Time of halves—20 minutes.

IMPORTANT TRACK DATES ANNOUNCED

Contract Signed With Brown For Two Dual Meets.

Manager Benson announces that the Institute two-mile relay team will race with Harvard at the Providence A. A. A. games which are to be held at Providence on January 28. Harvard has one of the best teams this year that they have ever put on the track, and the Tech men will have to travel to beat them. The final trials for the Institute team have not yet been held, but from the present outlook it will be composed of a quartet of runners who can show speed enough to defy any competitors.

A two-year contract has been signed with Brown University for dual meets (Continued on Page 2.)

WOMEN'S ASSOCIATION LUNCHES IN UNION

Many Guests at Function After Annual Business Meeting.

ELECTION OF OFFICERS.

Mrs. Ellen H. Richards, 1873, Is Permanent President—Novel Souvenirs Presented.

The annual business meeting of the Massachusetts Institute of Technology Women's Association was held Saturday morning and was followed by an elaborate luncheon at the Union. At the meeting the following officers were elected for the coming year:

Permanent President, Mrs. Ellen H. Richards, 1873.

First Vice-President, Miss Margaret E. Dodd, 1892.

Second Vice-President, Miss Laura S. Plummer, 1900.

Treasurer, Miss Annie E. Allen, 1892.

Corresponding Secretary, Miss Mildred E. Blodgett, 1907.

Recording Secretary, Miss Elizabeth Babcock, 1909.

Executive Committee, Miss C. Belle Kenney, 1886; Miss Grace A. Norris, 1897; Miss Dora Williams, 1899.

At the business meeting the report of the Registration Committee was given. It contained much interesting information in regard to the women graduates and women students of the Institute. At one time there were as many as sixty or seventy women students, where now there are nine, all of whom are specials. The reason for this decrease is that there are now many women's colleges where scientific courses are given and many more scientific courses elsewhere open to women, and consequently few women come to Tech except for advanced work. In many of these colleges the instructors are Technology graduates.

At the luncheon after the meeting the following guests were present:

President and Mrs. R. C. MacLaurin.

Prof. and Mrs. Henry D. Talbot.

Prof. and Mrs. James M. Crafts.

Prof. R. H. Richards.

Mrs. William B. Rogers.

Mrs. Frances A. Walker.

Miss Helen Collanore.

Mr. and Mrs. J. P. Munroe.

Prof. and Mrs. A. E. Burton.

The following menu was served:

MENU.

Grape Fruit.

Clam Bouillon. Whipped Cream.

Radishes. Soup Sticks.

Olivies.

Supreme of Chicken with Truffles.

Potatoes Augrann.

Green Peas.

Lettuce Hearts. French Dressing.

Cheese Croquettes and Toasted Saltines.

Vanilla Ice Cream.

Chocolate Sauce.

Assorted Fancy Cakes. Coffee.

At the close of the luncheon a fund of \$1000 for the purposes of research work was presented to Mrs. Richards by present and former women students of the Institute. An interesting souvenir of the luncheon given each guest was a booklet bound in Technology gray and red, and containing a recent photograph of Mrs. Richards in Doctor's cap and gown, and many quotations from her writings compiled by Miss Isabel F. Hyannis and Miss Frances Stern.

Miss M. A. Fraser, the retiring first vice-president, presided at the luncheon. Addresses were made by Dr. MacLaurin, Prof. Talbot, Mrs. Kate Tannett Wells, Miss Mary Barrows, Miss Foster, Mr. J. P. Munroe and Miss Lily Smith. The presentation to Mrs. Richards was made by Miss Susan Minnus, representing the association.

PROM TO BE HELD AT HOTEL SOMERSET

Friday, April 21st, Has Been Selected as Date For Junior Dance.

COM. AT WORK WITH BOOKS.

Management Desires Students to Sign Up as Early as Possible.

Friday, April 21, has been decided upon as the date for this year's Junior Prom by the committee who has the affair in charge, and the large ball room at Hotel Somerset has been reserved for this most important social function of the class of 1912. The dancing is to begin at 8:30 promptly, and will probably last until 4 o'clock A. M.

Men have been assigned to secure the promises of those who intend to go to the Prom, and all desirous of signing up should see one of the following:

J. L. Barry, Course VI.

H. D. Kemp, Course VI.

C. P. Fish, Course VI.

H. Greenleaf, Course I.

R. Cremer, Course I.

R. H. Fox, Course II.

F. J. Shepard, Course VI.

H. H. Partridge, Course II.

A. Eicher, Course XI.

R. P. Wallis, Course I.

E. Montgomery, Course X.

H. A. Babcock, Course II.

When a man signs up he receives the check from the book, and sometime between April 1st and 21st he is to exchange this check and five dollars at the Union for his dance orders, invitations, tickets, etc.

As the success of the Prom depends entirely upon how well it is supported, each and every member of the class of 1912 should feel that he ought to do his part to make the affair one of the best of the kind ever given. This is not merely a class affair, however, and all students are invited to co-operate with the committee to the best of their ability.

CALENDAR.

Monday.

5.00—Basketball Practice—Gym.

5.00—1914 Basketball—Gym.

Tuesday.

1.00—Tech Board Meeting (with lunch)—Union.

1.30—Union Committee Meeting—Dean's Office.

4.00—Glee Club Practice—Union.

4.15—Gym Team Practice—Gym.

4.15—Varsity Indoor Track Team—Gym.

4.15—1914 Indoor Track Team—Gym.

4.15—M. I. T. A. A. Meeting—Room A, Union.

Wednesday.

4.00—Basketball Practice—Gym.

4.15—Gym Team Practice—Gym.

5.00—1914 Basketball Practice—Gym.

5.00—Hockey Practice—Arena.

Thursday.

1.30—House Committee Meeting—Cage, Union.

4.15—Technique Board Meeting—Union.

4.15—Varsity Track Team Practice—Gym.

4.15—1914 Track Team Practice—Gym.

THE TECH

Published daily, except Sunday, during the college year by students at the Massachusetts Institute of Technology.

Entered as second-class matter, Sept. 29, 1910, at the post office at Boston, Mass., under the Act of Congress of March 3, 1879.

**S. H. Bates, 1911.....General Mgr.
News Board.**

**G. M. Keith 1912.....Editor-in-Chief
H. W. Tarr, 1912.....Managing Editor
A. L. Myers, 1911.....Institute Editor
P. L. Flansburg, 1912. Societies Editor
R. S. Rankin, 1913.....Athletic Editor
T. E. Senior 1913.....Gen'l News Editor**

Business Board.

**M. W. Hall, 1912.....Business Manager
J. B. Nealey, 1912.....Advertising Mgr.
A. T. Gibson, 1913.....Circulation Mgr.**

Associate Editor.

E. W. Taft, 1913.....Calendar

News Staff.

K. C. McKenney, 1912.
A. J. Pastene, 1913.
C. F. Cairns, 1913.
W. Katzenberger, 1913.
M. Paris, 1914.

Business Staff.

K. S. Johnson, 1914.
J. C. Morse, 1914.
D. E. Van Volkenburgh, 1914.

Art Staff.

W. S. Crost, 1912.
H. B. Horner, 1913.
E. C. Taylor, 1914.

**Office, 42 Trinity Place.
Telephone, Back Bay 2184.**

All communications should be addressed to the proper departments.

Subscriptions \$2.00 per year in advance. Single copies 2 cents.

Subscriptions within the Boston Postal District and outside of the United States must be accompanied by postage at the rate of one cent a copy.

Printed by Croke Printing Co.

MONDAY, JANUARY 9, 1911.

The Technology Women's Association has chosen well in selecting for the permanent president of that body Mrs. Ellen H. Richards, 1873. It is now about forty years since Mrs. Richards, who had just graduated from Vassar, applied for admission to the Institute, and after some delay was admitted as the first woman student here. She has served the Institute and mankind faithfully and well, and this honor at the hands of her sister Technologists is a much deserved tribute. The gift that this society has just presented as a research fund is a fine tribute of the loyalty to the Institute of her women students. We thank them heartily. Technology is proud of her women.

This year the Junior Prom Committee is commencing its campaign earlier than usual. Sign-up books are already in circulation while they have not generally appeared until after the mid-year examinations. By means of this early start the committee hopes to be able to determine accurately the number of couples to be present, and to plan the contracts accordingly. Therefore it will aid the committee greatly if those who intend to go will sign up immediately so that a close estimate can be made and contracts made on the maximum scale permissible. A man should not, however, sign in one of the books unless he faithfully intends to pay and has full confidence in his ability to do so. Last year the Prom was perfect in its appointments and surpassed in every way those of former years, but the financial proceeds did not equal the obligations. This was in no way due to a miscalculation on the part of the committee, but was due to the non-payment of pledged dues which is in fact as well as in theory nothing short of stealing. This element of uncertainty in calculation should not be repeated this year, and every man who signs the books should consider himself in honor bound to comply with the agreement therein expressed. Those who are going to be at the

dance, April 21, should sign up at once and help the committee to make this year's event a financial success and the best Junior Prom ever.

NEW TARIFF BILL ON FOOD PROPOSED

Beef, Fish and Butter to Be On Free List.

Fifteen bills were introduced in the House of Representatives Saturday by Representative Mann of Illinois, intended to take the tariff off from a large number of articles of food, including eggs, milk, butter, cattle, beef, fish, oatmeal and cheese. This measure has been referred to the Ways and Means Committee.

Leaders of the progressive wing assert that they now have the votes assured to elect a Ways and Means Committee which will be absolutely certain to stand for a tariff for revenue revision only.

IN THE LIMELIGHT.

Cheer up, Captain Parker, it was a tie score up to the last three minutes anyway. Get your revenge on Washington's Birthday.

The Hockey Team did well on their trip.

The Brookline High School Club held a meeting at the Union Saturday evening.

The Technique Board had a choir practice at the Union yesterday.

Have you signed up for the Prom?

Results of the 1913 Electoral Election have not yet been announced.

The Transcript says that the Institute has shower baths in its Chem. Labs. Did you know it?

One more week!

Drake—the chemistry research man who was injured lately—is reported as getting along nicely. He is at the Massachusetts General Hospital.

The list of new Biological Society officers sounds good.

Good work, Johnnie Grant, that was certainly traveling some.

Major J. H. Bigelow, Jr., has written a book on "The Campaign of Chancellorsville." The New York Evening reviewer says: "Altogether, Major Bigelow's book is masterly."

The relay squads look good this year. Final cut soon. Here's luck to them.

Looks as though Mills was right there with the goods in the line of condition this year. That was rather hard on the Freshman, though.

Large attendance at the Union entertainment last evening. Too bad that a few of the knockers don't show their appreciation when the Entertainment Committee does provide some recreation.

(Continued from Page 1.) with Technology. One this year on April 29, at Providence, and the other at Tech Field on May 5, 1912. The last meet between Technology and Brown was held on May 11, 1907, at Tech Field, and was won by Brown, with a score of 68-2-5 to 57-1-3. Brown's victory was in a great measure due to "Johnny" Mayhew, who took four first places and tied for a third.

IF there is a student in Tech who is not familiar with
ENGINEERING NEWS
let him write at once for a Free Sample Copy, and see our agent Mr. O. W. STEWART, about Special Subscription Rates.
ENGINEERING NEWS :: NEW YORK

C. F. HOVEY & CO

Summer, Chauncy and Avon Streets

MID-WINTER SALE

Reduction in Men's Shirts

NEGLIGEE SHIRTS

Men's Fancy Negligee Shirts, of our own manufacture.

Reduced from \$1.50 to \$1.15
" " \$2.00 to \$1.35

CUSTOM SHIRTS

Our regular fancy shirts, made to measure from D. & J. Anderson cheviot and madras, with neckband, one pair of cuffs, attached or separate, in $\frac{1}{2}$ doz. lots.

Reduced from \$3.50 to \$2.75

Our 4.50 Custom Shirts in $\frac{1}{2}$ dozen lots

For \$3.00 each

NIGHT SHIRTS

Men's white cotton night shirts, with collar, cut full and long, our own make.

Reduced from \$1.00 to 75c.

EIMER & AMEND

HEADQUARTERS

FOR
CHEMICALS, CHEMICAL APPARATUS,
MINERALS, ETC.

WE CARRY THE LARGEST STOCK OF
LABORATORY SUPPLIES IN THE U. S.

First Quality Supplies Only. Prompt Service

Our European connections are such that we are enabled to offer you the best services for duty free importations on scientific supplies at the lowest prices.

Analytical Balances and Weights
ONE OF OUR LEADING SPECIALTIES

EST'B - 1851
203-211-THIRD-AVE
NEW-YORK-CITY

MORSE & HENDERSON

MERCHANT TAILORS 18 BOYLSTON STREET BOSTON, MASS.

TELEPHONE 99 OXFORD

ROOMS 14 AND 15

Suits \$35 and Upwards Overcoats \$35 and Upwards

For Thirty Days from date any Suit in our Shop for
\$35.00 Former Price \$40, \$45, \$48

BOSTON DAIRY LUNCH CO.

443 Boylston St., Cor. Berkeley

NEXT DOOR TO TECH

TO INTRODUCE OUR

SPECIAL 25c. LUNCHEONS

20c.

UNTIL FURTHER NOTICE

Special Discount Tickets \$5.50 for \$5.00 \$3.30 for \$3.00 \$1.10-\$1.00

(Continued from Page 1.)
slippery floor on which they were obliged to play. The Dean team was equipped with specially prepared suction shoes, whereas the Seconds had only smooth soled sneakers. In addition to these advantages it is reported by good authority that the three stars on the Dean team, Bassett, Maxfield and Tormey, are members of outside semi-professional teams, and take a course in music, evenings, at the Academy, in order to play basketball.

The Institute men came off the floor feeling pretty blue at the end of the first half. But when the whistle blew for the beginning of the second half they went back determinedly and showed plenty of Tech grit in coping with the many obstacles before them. After about five minutes of play Sampson succeeded in scoring the first basket. Mowry showed up well in the free tries, scoring seven times out of nine chances.

The lineup follows:

Tech 2nd. Dean Academy.
Stone, Kenrick, l. f.....r. g., Lanson
Price, Sampson, r. f.

l. g., Bassett, Merrifield

Mowry, c.....c., Tormey

Metcalf, l. g....r. f., Leslie, Mitchell

Muther, r. g.....l. f., Maxfield

Score: Tech 2nd, 9; Dean, 69.

Time: Two twenty-minute halves.

Referee: Murphy.

Timer: Schlectnitzheimer.

Goals: By Sampson, Maxfield 14,
Tormey 8, Bassett 5, Leslie 3, Merri-

field.

Fouls: By Mowry 7, Leslie 3.

SECOND VICTORY FOR 1914 BASKETBALL TEAM.

In an exciting game at Reading, Saturday night, the Freshman basketball team defeated the Reading High School Alumni by the score of 33 to 23. During the first five minutes of play the Alumni scored eight points to the Freshmen's two, but the latter gradually forged ahead until the half ended, with the score 16 to 14 in their favor.

In the second half there was never a doubt as to the result as the Freshmen played their men to a standstill, allowing them but two baskets. The game was somewhat rough, especially during the second half. Reading had twelve fouls called upon them, while the Freshmen had seven. Although every man played a fine game, the work of Glennon in shooting seven of the twelve baskets made by the Freshmen, and the caging of nine fouls by Russell, were features.

The game against St. John's Prep. next Saturday will be the hardest game of the season, and a full attendance at all practices this week is desired.

Freshman lineup:
Glennon, Henderson and Cleverly, guards; Russell, center; Comber and Derry, forwards.

Baskets: Glennon 7, Henderson 1, Derry 2, Comber 1, Russell, 1.

Fouls: Russell 9.

Wonder if the Calendar Committee saw how the crowd was divided last night—FOURTEEN at the Union and FORTY at the track meet? Where were the rest of the fellows who call themselves Tech men?

Boston Garter

Velvet Grip

Fit smoothly and keeps up the sock with neatness and security. It is comfortable because its wearer doesn't feel it.

The Boston Garter keeps its strength and excels in wear-value. Fully guaranteed. New pair free if you find an imperfection.

Sample Pair,
Cotton, \$2.50, \$3.50.
Mailed on receipt of price.
GEORGE FROST CO., MAKERS,
Boston, U.S.A.

STEVENS

The STEVENS No. 335 Double Barrel Hammerless Shotgun—is strongest where other guns are weakest. The barrels and lugs are drop-forged in one piece—of high pressure steel, choke bored for nitro powder—with matted rib.

Pick up this gun and feel the balance of it—examining the working parts closely and see the fine care and finish of detail—you will say it's a winner. It lists at only \$20.00 and will be expressed prepaid direct from the factory in case you cannot secure it through a dealer.

Send for new Art Catalog and "How to Shoot Well."

J. STEVENS ARMS & TOOL COMPANY
P.O. Box 5003
Chicopee Falls
Mass.

FATIMA

TURKISH
BLEND
CIGARETTES



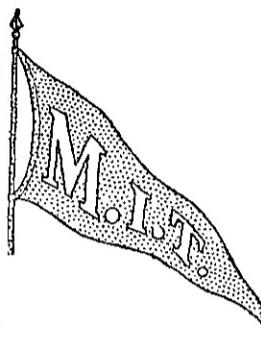
LAW

Judge Fatimas on merit and they'll acquit themselves well.

The college man's verdict is: "*Distinctively individual.*" Therefore Fatimas are the favorite of students.

If you will try Fatima you will continue to buy them. Inexpensively packed and you get ten additional. 20 for 15 cents.

THE AMERICAN TOBACCO CO.



With each package of Fatima you get a pennant coupon, 25 of which secure a handsome felt college pennant (12x32)—selection of 100.

HOTEL BRUNSWICK

BOSTON

EUROPEAN AND AMERICAN PLANS

HERBERT H. BARNES, Proprietor.

THE ONLY UP-TO-DATE ART STORE AND FRAME SHOP

Bring in your Pictures and Diplomas and get our Prices on Framing. We carry a very large line of imported Pictures and Bronze Novelties.

SPORTING PICTURES AND COLLEGE POSTERS

SOUTH END PICTURE STORE

199 West Newton Street,

(Opp. Little Wanderers' Home.)

STONE & WEBSTER

CHARLES A. STONE, '88
RUSSELL ROBB, '88

ELIOT WADSWORTH,

EDWIN S. WEBSTER, '88
HENRY G. BRADLEY, '91

Securities of Public Service Corporations
Under the Management of our Organization

STONE & WEBSTER
MANAGEMENT ASSOCIATION
GENERAL MANAGERS OF PUBLIC
SERVICE CORPORATIONS

STONE & WEBSTER
ENGINEERING CORPORATION
CONSTRUCTING ENGINEERS

PATENTS

Prize Offers from Leading Manufacturers

Book on patents. "Hints to inventors." "Inventions needed." "Why some inventors fail." Send rough sketch or model for search of Patent Office records. Our Mr. Greeley was formerly Acting Commissioner of Patents, and as such had full charge of the U. S. Patent Office.

GREELEY & MCINTIRE
INCORPORATED
WASHINGTON, D. C.

Charles & David

HABERDASHERS

CLEARANCE SALE

Genuine Bargains

\$1.50 & 2.00 Manhattan & Bates Street
Shirts Reduced to \$1.15

50c & 65c Neckwear 29c.

Triple Toe Hose 19c 3 for 50c.

Genuine \$1.50 Case Gloves 89c.

Boston & C. M. C. Garters 15c.

Imported Wool Caps 69c.

CHARLES & DAVID

ONE DAY LAUNDRY

THREE STORES

28 Huntington Ave.

232 Massachusetts Ave., 453 Columbus Ave.

MAJESTIC

EVENINGS at 8, Mats. Wed. & Sat.

The One Sensation in Boston

Henry W. Savage
Offers**MAD X AME**SEATS 25c. to \$1.50
Greatest Drama in 20 Years**Shubert THEATRE**
Tremont & Hollis Sts.

Evens. at 8.10 Sat. Mats. at 2.10

MARIE CAHILL

In the Unusual Musical Comedy

JUDY FORGETDirect from N. Y. with famous
Judy Beauty Chorus of 60**Castle Sq** Daily at 2 &

Tel Tremont 8

Mr. John Craig Announces
The Famous Musical Extravaganza**Jack and Beanstalk**Prices 15c, 25c, 50c, 75c
Down-Town Ticket Office, 15 Winter St.**GLOBE** Washington & Beach Sts.
THE ROSARYBest Seats Evenings 25c. 50c.
Few 75c.
Wed. & Sat. Mats. 25c. Few 50c**Official Class Pipes**

SILVER INLAID

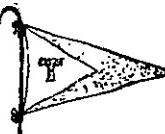
Maurice Schryver

44 SCHOOL STREET

Just Below Parker House

ROWAN & CURRY

THE TECH BARBERS


 Special attention paid to
students at M. I. T.
In the New
Chauncy Hall Building.

85 Boylston St., (Opp. Copley Sq.)

OUR SPECIAL OFFER
FULL DRESS SUITS, \$45
Silk lined throughout.**C. A. PATTEN & CO.**, Merchant Tailors
43 Tremont Street, Carney Bldg.*H. F. Galvin***Preston's Coffee House**Open All Night.
1036 BOYLSTON STREET, BOSTON
Telephone 2206-1 B. B.Come and join the live ones,
Fellows!Get a run for your
money.

Follow the crowd.

Popular Prices at the
TECH UNION**COLLINS & FAIRBANKS CO.****YOUNG MEN'S HATS****RAIN COATS****AUTO COATS**

383 Washington Street, Boston

Catalog 45 mailed upon request.

NOTICES AND CLASSIFIED ADS.**FACULTY NOTICES FREE.****ACTIVITIES, 4c PER LINE.****INDIVIDUALS, 8c PER LINE.****SIX WORDS TO A LINE.****MASSACHUSETTS INSTITUTE OF TECHNOLOGY.****First Year—Choice of Course.**

Circulars in regard to the Choice of Course were sent to all first year students with the report of standing for the second five weeks. Cards will be distributed among first year students at some Chemistry exercise, and they are to be returned with a provisional Choice of Course indicated on them. This choice is not binding, but students are earnestly asked to consult with their parents and their instructors at once in order that this provisional choice may be made within the next two weeks.

WALTER HUMPHREYS,
Registrar.**NOTICE.****First Year—Conferences in Regard to Choice of Course.**

Course I and XI, Professor Spofford, will meet students on Thursday, January 5th, at 1.15 P. M., in Room 49, Engineering A.

Course II, Professor Lanza, will meet students on Wednesday, January 4th, from 1 to 2 P. M., in Room 11, Engineering B.

Course VI, Professor Jackson, will meet students on Monday, January 9th, from 1 to 2 P. M., in Room 6, Lowell Building.

Course XIII, Professor Peabody, will meet students on Tuesday, January 10th, from 1 to 2 P. M., in Room 32, Engineering C.

ALFRED E. BURTON, Dean.
January 2, 1911.**NOTICE.**

The Tech will pay five cents for copies of each of the following issues of last year: Nos. 53, 121, 137.

Two Rooms at 213 Beacon; one single at \$4.00; one double at \$7.00. Baths on each floor. Only Tech students in house. (71-73-75)

NOTICE.

Gentlemen, I call to your attention that I will pay more for your cast-off clothing than any one in my line of business. A trial will convince you. Send postal to Max Keezer, 3 Bow street, or telephone Cambridge, Mass., 302. (tf)

FIRST YEAR.**Conferences in Regard to Choice of Course.**

Course III. Professor Richards will meet students on Thursday, January 12th, between 1 and 2, in Room 1, Rogers.

Course IV. Professor Chandler will meet students on Wednesday, January 11th, between 1 and 2, in Room 42 Pierce.

Course VII. Professor Sedgwick will meet students on Monday, January 9th, from 11 to 12; Tuesday, January 10th, from 10 to 11; and Thursday and Friday, January 12th and 13th, from 12 to 1, in Room 27 Pierce.

Course VIII. Professor Cross will meet students on Monday, January 9th; Wednesday, January 11th, and Friday, January 13th, at 1.15, or by appointment, in Room 11 Walker.

Course XIV. Professor Goodwin will meet students on Tuesday and Thursday, January 10th and 12th, from 1 to 2, in Room 2 Walker.

A. E. BURTON, Dean.
January 3, 1911.**NOTICE.**

TECH BOARD MEETING TODAY AT 1 P. M. No lunch.

OLD ESTABLISHED**DINING ROOM**

MRS. H. O. HANSON, Proprietor

Successor to A. G. Cotton

33 St. Botolph St.

Best Board in Back Bay.

Reasonable Rates.

We make a Specialty of Serving

Tech Students.

BOSTON OPERA HOUSE

HENRY RUSSELL, Managing Director

Mon. Eve., Jan. 9, 1911, at 7.45 p. m.

Aida

Wed. Eve., Jan. 11, 1911, at 8.15 p. m.

The Pipe of Desire

Preceded by

L'Enfant Prodigue

Fri. Eve. Jan. 13, 1911, at 8 p. m.

Rigoletto

Sat. Mat., Jan. 14, 1911, at 2 p. m.

Carmen

Sat. Eve., Jan. 14, 1911, at 8 p. m.

Tosca

Sat. Eve., POPULAR PRICES 50c. to \$2.50

Regular Prices from \$1 to \$5

Mason & Hamlin Pianos used

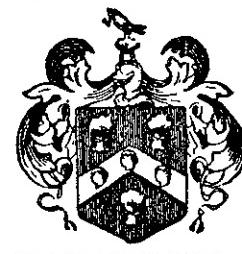
STATIONERY

Fraternity Stationery.

Engraved Invitations.

Reception and Visting Cards.

Banquet Menus.

Coats of Arms, Crests and Monograms
Students' Supplies.Ward's SAMUEL WARD CO.,
51-63 Franklin St.
Boston.**J. C. LITTLEFIELD**

Smart and effective fabrics;
the latest texture and the
most fashionable shades
prices that are right.

DRESS CLOTHES A SPECIALTY
Beacon Street, Boston**Marpan****PHOTOGRAPHER**

160 TREMONT ST.

BOSTON

All Goods Required by
Students at**MacLachlan's**

502 Boylston St.

Drawing Instruments and Materials, etc.
Fountain Pens. Text-Books

MR. A. J. SHEAPE

MASTER of DANCING

SHEAPE'S HALL

30 Huntington Avenue

Private Lessons Daily by Appointment.

Tel. 22195

OLD COLONY TRUST COMPANY

Capital and Surplus, \$12,500,000.00

Main Office, Court Street**Branch Office, Temple Place**SAFE DEPOSIT VAULTS AT BOTH
OFFICES